

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	("CAMENISH, JAN" or "KOPROWSKI, MACIEJ A.")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/02 07:19
S2	303417	(international business machine corporation or ibm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/02 07:20
S3	327	S2 and (cryptographic keys and random number)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/02 07:21
S4	1	S3 and ((secret key or sk) near prime)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/02 07:29
S5	0	S3 and ((secret key or sk) exponent near interval)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/02 07:29
S6	55	S3 and ((secret key or sk) and exponent )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/02 10:06
S7	2409	380/28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/02 10:07

## EAST Search History

S8	9498	(380/28 or 380/29 or 380/30 or 380/44 or 380/46 or 380/47) or (713/180 or 713/181 or 713/176)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/04 13:20
S9	132	S8 and ((random secret key or sk)and (public key or pk) and signature)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/08 08:58
S10	134	S8 and ((random secret key or sk)and (generat\$3 near (public key or pk) same exponent or root or prime or interval))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/02 10:44
S11	0	S10 and (exponent interval)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/02 10:43
S12	38	S10 not S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/02 10:44
S13	24	("4879747"   "4944007"   "4944009"   "4995081"   "5276737"   "5315658").PN. OR ("5647000").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 13:23
S14	0	S8 and ((public key) same exponent same (random secret key) same prime )	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 13:26
S15	2	S8 and ((public key) and exponent and (random secret key) and prime )	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 13:46
S16	0	S8 and ((generat\$3 near public key) and (random secret key and prime and exponent) and (interval or range or class or group) near (element or number))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 13:50

## EAST Search History

S17	0	S8 and ((generat\$3 near public key) and (random secret key and prime and exponent) with (interval or range or class or group) near (element or number))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 13:50
S18	0	S8 and (( public key) with (random secret key and prime and exponent) with (interval or range or class or group) near (element or number))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 13:51
S19	1	S8 and (( public key) with ( prime and exponent) with (interval or range or class or group) near (element or number))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 14:08
S20	0	S8 and ((exponent value) near (interval or group or class or range))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 14:10
S21	36	S8 and (exponent value)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 14:25
S22	0	S8 and (((generat\$3 or deriv\$3 or provid\$3) near (public key or pk)) and ((secret key or sk )near prime))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 14:29
S23	10	S8 and ((public key or pk) and ((secret key or sk )near prime))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 15:12
S24	72	S8 and ((verificat\$3 or verif\$3) with(certificate or signature or fingerprint or watermark) with (public key encrypt\$3 or public key or pk or SHA or RSA) with (random or random secret ))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/03 08:30
S25	9504	(380/28 or 380/29 or 380/30 or 380/44 or 380/46 or 380/47) or (713/180 or 713/181 or 713/176)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/03 08:30
S26	142	S25 and (public key and composite number)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/03 10:12
S27	180	S25 and ((random secret key or sk or private key or pk) and (prime or prime factor) and (signature and exponent) and (root or power))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/08 09:19
S28	146	S27 not S26	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/03 10:16

## EAST Search History

S29	56	("4200770"   "4424414"   "4567600"   "5010573"   "5054066").PN. OR ("5159632").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/03 13:58
S30	5	"6341349"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/03 14:14
S31	1822	S25 and ((public key or pk ) and (private key or pk or random secret key or secret key or sk) and ((random or composite or prime) with number))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/03 14:18
S32	1537	S31 and (range or limit or interval or class or group)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/03 14:19
S33	0	S32 and (random near (secret key or private key) with prime)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/03 14:21
S34	227	S32 and ((secret key or private key) with prime)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/03 14:21
S35	80	S34 and ((public key or pk) with (secret key or sk or private key or pk) with (interval or range or value or group or class or limit))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/03 14:24
S36	40	S35 not (S29 or S28 or S26)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/03 16:07
S37	21	public key and random secret key and interval	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/03 16:10
S38	1	"20050018852"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/03 16:11
S39	9504	(380/28 or 380/29 or 380/30 or 380/44 or 380/46 or 380/47) or (713/180 or 713/181 or 713/176)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/04 13:30
S40	10	S39 and ( (secret key or sk or private key or pk or "secret random key") and (public key or pk) and (exponent near (interval or range or limit or group or class)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/04 13:58

## EAST Search History

S41	5	"6125445"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/04 13:58
S42	9504	(380/28 or 380/29 or 380/30 or 380/44 or 380/46 or 380/47) or (713/180 or 713/181 or 713/176)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/04 14:09
S43	180	S42 and ((random secret key or sk or private key or pk) and (prime or prime factor) and (signature and exponent) and (root or power))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/04 16:23
S44	173	S39 and signature and prime factor and public key	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/04 16:24
S45	98	S44 and exponent	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/04 17:47
S46	54	S45 and ("th root" or root)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/04 17:48
S47	9529	(380/28 or 380/29 or 380/30 or 380/44 or 380/46 or 380/47) or (713/180 or 713/181 or 713/176)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/08 08:58
S48	0	S47 and ((random secret key or sk)and (public key or pk) and signature) and "treshold value"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/08 08:58
S49	0	S47 and ((random secret key or sk)and (public key or pk) and signature) and "treshold value"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/08 08:59

## EAST Search History

S50	2681	S47 and (public key or pk ) and (private key or secret key or sk) and (signature or signature near verifi\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/08 09:02
S51	1026	S47 and (public key or pk ) and (private key or secret key or sk) and (signature near verifi\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/08 09:02
S52	25	S47 and (public key or pk ) and (private key or secret key or sk) and (signature near verifi\$6) and ((interval or limit or treshold ) near value)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/08 09:03
S53	9529	(380/28 or 380/29 or 380/30 or 380/44 or 380/46 or 380/47) or (713/180 or 713/181 or 713/176)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/08 09:19
S54	10	S53 and ((random secret key or sk or private key or pk) and (prime or prime factor) and (signature and exponent) and (root or power)) and "threshold value"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/08 12:41
S55	395	"1" and (exponent and (public key or pk) and (private key or secret key or sk) and (signature near verifi\$6))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/08 12:47
S56	9529	(380/28 or 380/29 or 380/30 or 380/44 or 380/46 or 380/47) or (713/180 or 713/181 or 713/176)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/08 12:47
S57	147	S56 and (exponent and (public key or pk) and (private key or secret key or sk) and (signature near verifi\$6))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/08 13:18
S58	11	S56 and (verifi\$6 near (signature) and (exponent near (value or interval or limit or class or group)))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/08 13:31

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S59	260	S56 and signature and (threshold near value or exponent near interval)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/08 13:36
S60	99	S59 and (public key or pk) and (private key or secret key or sk)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/08 13:33
S61	2	S56 and signature and (threshold near exponent or exponent near interval)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/08 13:36
S62	3	signature and (exponent near root) and (public key or pk) and (private key or secret key or sk)and (verificat\$3 or verifia\$3) and RSA	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 14:26
S63	5	signature and (exponent near root) and (verificat\$3 or verifia\$3) and RSA	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 14:49
S64	39	("4200770"   "4218582"   "4405829"   "4424414"   "4458109"   "4731841"   "4759063"   "4759064"   "4811393").PN. OR ("4991210").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/10 14:32
S65	330	signature and exponent and root and (verificat\$3 or verifia\$3) and RSA	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 14:50
S66	268	S65 and hash	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 14:51
S67	2	S66 and (power near exponent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 14:52

## EAST Search History

S68	3	S66 and (signature near root)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 14:56
S69	686	signature near (verificat\$3 or verifia\$3) and (signature near generat\$3) and rsa	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 14:58
S70	105	S69 and ((public key or pk ) and (private key or secret key or sk) and exponent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 14:59
S71	51	S70 and root	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 15:05
S72	39	S71 and hash	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 15:48
S73	1341	signature and message near hash and (secret key or sk or private key)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 15:50
S74	822	signature and message near hash and (secret key or sk or private key) and verification near signature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 15:51



## EAST Search History

S75	568	S74 and signature near generat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 15:51
S76	26	signature same exponent same hash same (private key or secret key or sk)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 16:58
S77	1	signature with exponent with prime with root with signature with (secret key or private key)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 17:48
S78	2	"4996711".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 17:37
S79	1	signature with exponent with prime with root with (secret key or private key)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 17:48
S80	3	signature with exponent with prime with (secret key or private key)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/10 17:49